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PATENT

Attorney Docket No. NIH176.001C1

Date: February 21, 2002

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United States Patent and Trademark Office
Arlington, VA 22202

ATTENTION: BOX PATENT APPLICATION

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Arthur Scherf, Louis H. Miller, Benoit Gamain, Dror I. Baruch, Pierre Buffet, Christine Scheidig, Jürg Gysin, Bruno Pouvelle, Nobutaka Fujii, Joseph Smith

For: IDENTIFICATION OF THE DOMAIN OF PLASMODIUM FALCIPARUM ERYTHROCYTE
MEMBRANE PROTEIN 1 (PFEMP1) THAT MEDIATES ADHESION TO CHONDROITIN SULFATE A

Enclosed are:

- (X) 3 sheet(s) of drawing.
- (X) Sequence Listing.
- (X) Sequence Listing in computer readable format.
- (X) Sequence Submission Statement.
- (X) This application is a continuation of international application number PCT/US00/24195, and claims the benefit of priority of international application number PCT/US00/24195 having international filing date of September 1, 2000, designating the United States of America and published in English, which claims the benefit of priority of U.S. provisional patent application no. 60/152,023, filed September 1, 1999; both of which are hereby expressly incorporated by reference in their entireties.
- (X) Incorporation by Reference. The entire disclosure of the prior applications are considered as being part of the disclosure of the accompanying application and is hereby expressly incorporated by reference therein.
- (X) Return prepaid postcard.

CLAIMS AS FILED

FOR	NUMBER FILED	NUMBER EXTRA	RATE	FEE
Basic Fee			\$740	\$740
Total Claims	68 - 20 =	48 ×	\$18	\$864
Independent Claims	32 - 3 =	29 ×	\$84	\$2,436
If application contains any multiple dependent claims(s). then add			\$280	\$280
TOTAL FILING FEE		\$4,320		

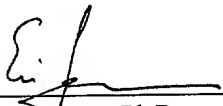
PATENT

Attorney Docket No. NIH176.001C1

Date: February 21, 2002

Page 2

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- (X) A check in the amount of \$4,320 to cover the filing fee is enclosed.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment to Account No. 11-1410.
- (X) Please use Customer No. 20,995 for the correspondence address.


Eric S. Furman, Ph.D.
Registration No. 45,664
Attorney of Record

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022102

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Knobbe Martens Olson & Bear LLP

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BOX PATENT APPLICATION
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CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Attorney Docket No. : NIH176.001C1

Applicant(s) : Scherf, et al.

For : IDENTIFICATION OF THE DOMAIN OF
PLASMODIUM FALCIPARUM
ERYTHROCYTE MEMBRANE PROTEIN 1
(PFEMP1) THAT MEDIATES ADHESION TO
CHONDROITIN SULFATE A

Attorney : Eric S. Furman, Ph.D.

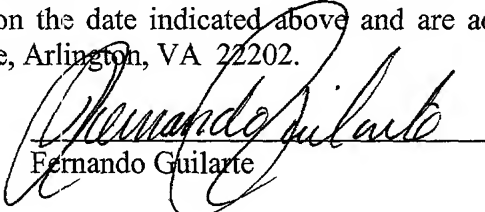
"Express Mail"
Mailing Label No. : EV 077978022

Date of Deposit : February 21, 2002

I hereby certify that the accompanying

Transmittal letter; specification in 84 pages; 3 sheets of drawings; Sequence Listing in 18 pages; Sequence Submission Statement in 1 page; Sequence Listing in computer readable format on 1 disk; Check(s) for Filing Fee(s); Return Prepaid Postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the United States Patent and Trademark Office, Arlington, VA 22202.


Fernando Guilarte

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022102

San Diego
619-235-8550

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415-954-4114

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310-551-3450

Riverside
909-781-9231

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Scherf et al.
Appl. No. : Unknown
Filed : Herewith
For : IDENTIFICATION OF THE DOMAIN
OF PLASMODIUM FALCIPARUM
ERYTHROCYTE MEMBRANE
PROTEIN 1 (PFEMP1) THAT
MEDIATES ADHESION TO
CHONDROITIN SULFATE A
Group Art Unit : Unknown
Examiner : Unknown

SEQUENCE SUBMISSION STATEMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

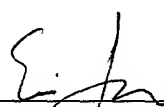
Dear Sir:

A copy of the Sequence Listing in computer readable form as required by 37 C.F.R. §1.821(e) is submitted herewith.

As required by 37 C.F.R. §1821(f), I hereby declare that the information recorded on the enclosed disk is identical to the printed Sequence Listing in the application filed herewith. Accordingly, no new matter has been introduced.

Respectfully submitted,
KNOBBE, MARTENS, OLSON & BEAR

Date: 2/21/02


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